Philips 7000 series LCD TV with Pixel Precise HD

47"

Full HD 1080p digital TV

47PFL7409D

Be part of the action

With slim design and invisible sound

Featuring the stunning Pixel Precise HD and fantastic invisible sound, enjoy the pleasure of the movies in your living room. This full HD 1080p display combined with a super slim design, ensures you're always part of the action.

See precise details in action

- Full HD LCD display, with a 1920x1080p resolution
- 100Hz LCD, 3ms performance for superb motion sharpness
- HD Natural Motion for ultra smooth motion in Full HD movies
- Pixel Precise HD for extremely sharp and clear pictures

Exciting and powerful sound

- Invisible speakers with incredible surround
- 20W audio power for powerful sound performance

Your window to the digital world

- 3 HDMI inputs with Easylink for a full HD connection
- USB for fantastic multimedia playback

Ready for digital

- Integrated digital tuner for digital reception

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sense **and** simplicity

Highlights

Pixel Precise HD

Pixel Precise HD builds on the award winning Pixel Plus foundation. It brings picture quality to the next level with 69 billion colors and HD Natural Motion, making all your movies fluent moving and razor sharp. Thanks to the Pixel Precise 100Hz LCD, you are buying the fastest LCD TV's in the category with 3ms response time delivering extreme motion sharpness for all your movies and sports.

Full HD LCD display 1920x1080p

The Full HD screen has the widescreen resolution of 1920 x 1080p. This is the highest resolution of HD sources for the best possible picture quality. It is fully future proof as it supports 1080p signals from all sources, including the most recent like Blu-ray and advanced HD game consoles. The signal processing is extensively upgraded to support this much higher signal quality and resolution. It produces brilliant flicker-free progressive scan pictures with superb brightness and colors.

100Hz LCD (3ms)

100Hz LCD creates extreme motion sharpness for clear and vibrant images even with fast on-screen motion. The Double Frame Rate Insertion works with a high 100Hz refresh rate. It increases the sharpness of motion reproduction to more than twice that of conventional LCD, resulting in a performance with a response time of 3 milliseconds (measured in Perceived Blur-Edge-Width; BEW). This unique Philips technology brings motion sharpness of LCD displays to an unprecedented level.

HD Natural Motion

Philips invented HD Natural Motion to eliminate juddering effects that are visible with movie based picture content. HD Natural Motion estimates motion in the picture and corrects juddering movements in both broadcast and recorded movie material (such as DVD and Blu-ray Disc). The resulting smooth motion reproduction and excellent sharpness take the viewing experience to a higher level. HD Natural Motion removes judder from SD and HD pictures, including 1080p, for a motion performance that surpasses the cinema!

USB (multimedia)

The USB connector allows access to jpeg photos, mp3 music and video files of most USB-sticks (USB memory-class device). Plug the USB into the slot at the side of the TV and access the multimedia content using the easy on screen content browser. You can now view and share your videos, photos and music.

3 HDMI inputs with EasyLink

EasyLink uses the HDMI CEC industry standard protocol to share functionality between connected devices and the TV. With Easylink only one remote control is needed to operate main functionalities on your TV and connected devices. HDMI makes an uncompressed digital RGB connection from the source to the screen for the ultimate picture quality. HDMI uses HDCP copy protection. With 2 HDMI inputs on the back and 1 HDMI on the side of the TV you can connect multiple HD sources, for instance an HD settop box, a Blu-ray player, and Game Console or Digital Camcorder.

Invisible speakers

An invisible sound system that blends perfectly with the design of the cabinet. The Incredible Surround allows you to experience total surround with greater depth and width of sound. It gives a clear and spacious sound stage complementary to the rich viewing experience.

Integrated digital tuner

The integrated digital tuner allows you to watch digital TV without the need of a digital set top box and any additional cables.

Specifications

Picture/Display
- Aspect ratio: Widescreen
- Brightness: 500 cd/m²
- Dynamic screen contrast: 80000:1
- Response time (typical): 3 ms
- Viewing angle: 178° (H) / 178° (V)
- Diagonal screen size: 47 inch / 119 cm
- Display screen type: LCD Full HD W-UXGA Act. matrix
- Panel resolution: 1920x1080p
- Picture enhancement: Pixel precise HD, 3/2 - 2/2 motion pull down, 3D Combfilter, Active Control + Light sensor, Color Enhancement, Luminance Transient Improver, Progressive Scan, Sharpness Adjustment, Smart Picture, 100Hz LCD, HD Natural Motion
- Screen enhancement: Anti-Reflection coated screen

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60Hz
720 x 400	70Hz
800 x 600	60, 72, 75, 85Hz
1024 x 768	60, 70, 75, 85Hz
1280 x 768	60Hz
1280 x 1024	60Hz
1360 x 768	60Hz
1600 x 1200	60Hz
1920 x 1080	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz
1080p	24, 25, 30, 50, 60Hz

Sound
- Output power (RMS): 20W
- Sound Enhancement: Auto Volume Leveller, Incredible Surround, Smart Sound, Treble and Bass Control
- Sound System: Mono, Nicam Stereo, Stereo

Loudspeakers
- Built-in speakers: 2

Convenience
- Child Protection: Child Lock+Parental Control
- Clock: Sleep Timer, Wake Up Timer
- Ease of Installation: Autostore, Fine Tuning, PLL Digital Tuning, Program Name, Sorting
- Ease of Use: Auto Volume Leveller (AVL), Channel list, Settings assistant Wizard, Side Control, EasyLink, One-stop Home button, Favorite program selection
- Electronic Program Guide: Now + Next EPG, 7 day Electronic Program Guide
- On-Screen Display languages: English, Simplified Chinese, Traditional Chinese
- Remote Control: TV
- Screen Format Adjustments: 4:3, Auto Format, Movie expand 14:9, Movie expand 16:9, Subtitle Zoom, Super Zoom, Widescreen, unscaled (1080p dot by dot)
- Signal strength indication
- Firmware upgradeable: Firmware upgradeable via USB
- Multimedia: USB media browser

Multimedia Applications
- Multimedia connections: USB
- Playback Formats: AAC LC, MP3, AC3, JPEG Still pictures, MPEG1, MPEG4, H.264/MPEG-4 AVC
- Playback enhancement: Picture slideshow

Tuner/Reception/Transmission
- Aerial Input: 75 ohm coaxial (IEC75)
- TV system: PAL I, PAL B/G, PAL D/K, SECAM B/G, SECAM D/K
- Video Playback: NTSC, SECAM, PAL
- Tuner bands: Hyperband, S-Channel, UHF, VHF
- Number of Preset Channels: 99

Connectivity
- AV 1: Audio L/R in, YPbPr
- AV 2: Audio L/R in, CVBS in
- Front / Side connections: HDMI v1.3, S-video in, CVBS in, Audio L/R in, Headphone out, USB
- Other connections: Monitor out, CVBS, L/R (cinch), PC-in VGA + Audio L/R in, S/PDIF out (coaxial)
- HDMI 1: HDMI v1.3

- HDMI 2: HDMI v1.3
- EasyLink (HDMI-CEC): One touch play, EasyLink, Remote control pass-through, System audio control, System standby

Power
- Ambient temperature: 5 °C to 35 °C
- Mains power: 220-240V, 50/60Hz
- Power consumption: 280 W
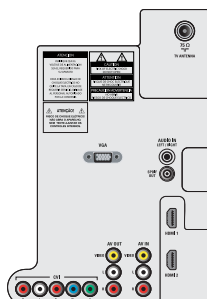- Standby power consumption: 0.15 W (typical)

Dimensions
- Set dimensions (W x H x D): 1104.5 x 677.1 x 91.5 mm
- Set dimensions with stand (W x H x D): 1104.5 x 715.6 x 310 mm
- Weight incl. Packaging: 32 kg
- Product weight: 20.14 kg
- Product weight (+stand): 24.38 kg
- Box dimensions (W x H x D): 1389 x 766 x 280 mm
- VESA wall mount compatible: 400 x 400 mm

Accessories
- Included Accessories: Tabletop swivel stand, Power cord, Quick start guide, User Manual, Remote Control, Batteries for remote control

Rear connectors

Side

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